

Faceting 101 - Lesson 6

Charming Checker

by Arya Akhavan (October 2012)

Angles for R.I. = 1.580

49 + 12 girdles = 61 facets

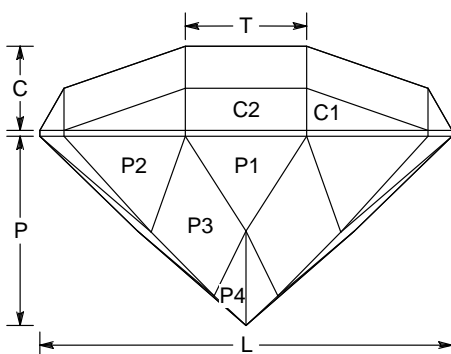
4-fold, mirror-image symmetry

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$L/W = 1.000$ $T/W = 0.294$ $U/W = 0.294$

$P/W = 0.459$ $C/W = 0.204$

$Vol./W^3 = 0.270$



PAVILION

P1	44.12°	96-24-48-72	Cut to centerpoint.
P2	43.05°	03-21-27-45- 51-69-75-93	Meet at culet.
G1	90.00°	96-24-48-72	Set stone size.
G2	90.00°	03-21-27-45- 51-69-75-93	Level girdle
P3	42.12°	02-22-26-46- 50-70-74-94	Meet P1, P2, G1, G2
P4	41.12°	01-23-25-47- 49-71-73-95	Meet P1, P3

CROWN

C1	60.63°	03-21-27-45- 51-69-75-93	Set girdle width.
C2	60.16°	96-24-48-72	Level girdle.
C3	26.12°	12-36-60-84	Meet G2, C1
C4	19.12°	96-24-48-72	Meet C1, C2, C3
T	0.00°	Table	Meet C3, C4

Lesson 6 brings us to a new shape, the square cushion, and a new style, the checkerboard. Deep checkerboards show off color and clarity, while shallow ones lighten dark rough. This lesson teaches how to cut multiple facets out of a single meetpoint (P4), and how to cut a checkerboard crown (C3 - T).

Lesson rules: cut in aquamarine, with no size restrictions

C:\Program Files (x86)\GemCAD\Designs (Mine)\Teaching Series\Faceting 101 - Lesson 6 - Charming Checker.gem